BRUHATH BENGALURU MAHANAGARA PALIKE

Name of Work :- Improvements To Drains At SFS 707 and Surrounding Area In Ward No.03

Job Code:003-21-000040

								Estimated Cost:	76.00	Lakhs
Sl No	**Description of Items**	**No**	**Length**	**Width**	**Depth**	**Quantity**	**Unit**	**Rate**	**Amount**
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **(Page No. 142/ Item No. 19.1/ PWD SR 2018-19)**									
	Attur, SFS 707 and Surrounding Area									
	For RCC Drain									
	2nd Main 3rd Cross	1	34.00	1.10	1.00	37.40				
	2nd Main Road from 4th Main Road (LHS)	1	99.00	1.10	1.00	108.90				
		2	55.00	1.10	1.00	121.00				
	2nd Main, 2nd Cross	2	56.00	1.10	1.00	123.20				
		2	102.00	1.10	1.00	224.40				
		1	74.00	1.10	1.00	81.40				
		2	83.00	1.10	1.00	182.60				
	5th Cross	1	119.50	1.10	1.00	131.45				
	For RCC Culvert									
	5th Cross, Culvert - 1	1	10.00	1.80	1.00	18.00				
						1028.35	**Cum**	**207.60**	**213485.46**	
	Basic Rate	130.00								
	Loading and Unloading	57.00								
	Lead For Earth 5km	12.80								
	Area Weightage 6%	7.80								
	Grand Total	**207.60**								
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222.I No-27.18 PWD SR 2018-19)**									
	Attur, SFS 707 and Surrounding Area									
	For RCC Drain									
	2nd Main 3rd Cross	1	34.00	1.10	0.15	5.61				
	2nd Main Road from 4th Main Road (LHS)	1	99.00	1.10	0.15	16.34				
		2	55.00	1.10	0.15	18.15				
	2nd Main, 2nd Cross	2	56.00	1.10	0.15	18.48				
		2	102.00	1.10	0.15	33.66				
		1	74.00	1.10	0.15	12.21				
		2	83.00	1.10	0.15	27.39				
	5th Cross	1	119.50	1.10	0.15	19.72				
	For RCC Culvert									
	5th Cross, Culvert - 1	1	10.00	1.80	0.15	2.70				
						154.25	**Cum**	**5509.33**	**849827.41**	
	Basic Rate	5115.00								
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39							
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86							
	Sub Total	**5197.48**								
	Area Weightage 6%	311.85								
	Grand Total	**5509.33**								
3	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm **(I No-37.59.2, P No-271 PWD SR 2018-19)**									
	Attur, SFS 707 and Surrounding Area									
	For RCC Bottom Raft									

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For RCC Drain								
	2nd Main 3rd Cross	1	34.00	0.90	0.15	4.59			
	2nd Main Road from 4th Main Road (LHS)	1	99.00	0.90	0.15	13.37			
		2	55.00	0.90	0.15	14.85			
	2nd Main, 2nd Cross	2	56.00	0.90	0.15	15.12			
		2	102.00	0.90	0.15	27.54			
		1	74.00	0.90	0.15	9.99			
		2	83.00	0.90	0.15	22.41			
	5th Cross	1	119.50	0.90	0.15	16.13			
	For RCC Culvert								
	5th Cross, Culvert - 1	1	10.00	1.50	0.20	3.00			
	For RCC Wall								
	For RCC Drain								
	2nd Main 3rd Cross	2	34.00	0.15	0.75	7.65			
	2nd Main Road from 4th Main Road (LHS)	2	99.00	0.15	0.75	22.28			
		4	55.00	0.15	0.75	24.75			
	2nd Main, 2nd Cross	4	56.00	0.15	0.75	25.20			
		4	102.00	0.15	0.75	45.90			
		2	74.00	0.15	0.75	16.65			
		4	83.00	0.15	0.75	37.35			
	5th Cross	1	119.50	0.15	0.75	13.44			
	For RCC Culvert								
	5th Cross, Culvert - 1	2	10.00	0.30	0.60	3.60			
						323.82	**Cum**	**7189.42**	**2328050.44**
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 (I No-28.8.2, P No-229 PWD SR 2018-19)								
	Consider 65kg/Cum for drain	1	317.22	65.00		20619.06			
	Consider 90kg/Cum for culvert	1	6.60	90.00		594.00			
	Current Rate W.e.f 01.07.2020					**21.21**	**Tonne**	**65046.90**	**1379843.55**
	Issued Rate	61365.00							
	Area Weightage 6%	3681.90							
	Data Rate	**65046.90**							
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (**Data Rate**)								
	Attur, SFS 707 and Surrounding Area								
	New Precast Slab For RCC Drain								
	2nd Main 3rd Cross	1	34.00	0.90		30.60			
	2nd Main Road from 4th Main Road (LHS)	1	99.00	0.90		89.10			
		2	55.00	0.90		99.00			
	2nd Main, 2nd Cross	2	56.00	0.90		100.80			
		2	102.00	0.90		183.60			
		1	74.00	0.90		66.60			
		2	83.00	0.90		149.40			
	5th Cross	1	119.50	0.90		107.55			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Data Rate	**2337.00**				**826.65**	**Sqm**	**2337.00**	**1931881.05**
6	Providing and fixing Precast RCC slab of **250mm thick for Culverts** made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to IS9103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. **(Data Rate)**								
	Attur, SFS 707 and Surrounding Area								
	New Precast Slab For Culvert								
	Muneshwara Layout, 1st Cross, Culvert - 1	1	10.00	1.50		15.00			
	Data Rate	**5418.00**				**15.00**	**Sqm**	**5418.00**	**81270.00**
								Total Construction Cost	**6784357.91**
								GST Charges 12%	**814122.95**
								Sub Total	**7598480.86**
								Utility Shifting,Miscellaneous and Rounding off	**1519.14**
								GRAND TOTAL	**7600000.00**
	Rupees Seventy Six Lakh(s) Only								

Certificate

1) This Work Comes Within BBMP Limits.
2) Certified that personaly Inspected the Work Spot.
3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & Issued rate Dated. 01/07/2020
4) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most economical way
5) This work is not include in any other program of work.

Assistant Engineer,
Ward No.03

Asst. Executive Engineer,
Yelahanka Satellite Town Sub division,

Executive Engineer,
Yelahanka Division

Administrative Sanction for Rs. 76.00
Seventy Six Lakhs
only
is accorded under head P-3739
Special development works
2020-21
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. EE/YNK/AS/54/2020-21 Dt. 17.11.2020

Executive Engineer

76,00,000/-
SEVENTY SIX LAKHS ONLY
P- 3739
003-21-00040
40 / 20-21
40 / 20-21 dated 26/11/2020

AE/JE TA SE(Yelahanka)

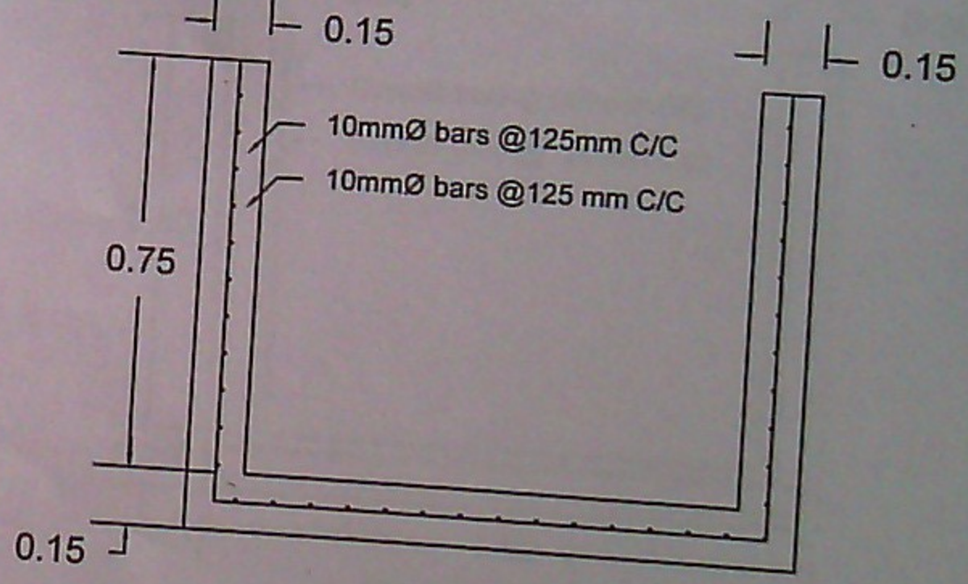
Name of Work:-Improvements To Drains At SFS 707 and Surrounding Area In Ward No.03

RCC DRAIN

Cross Section

Asst. Engineer
Ward No.03

RCC DRAIN

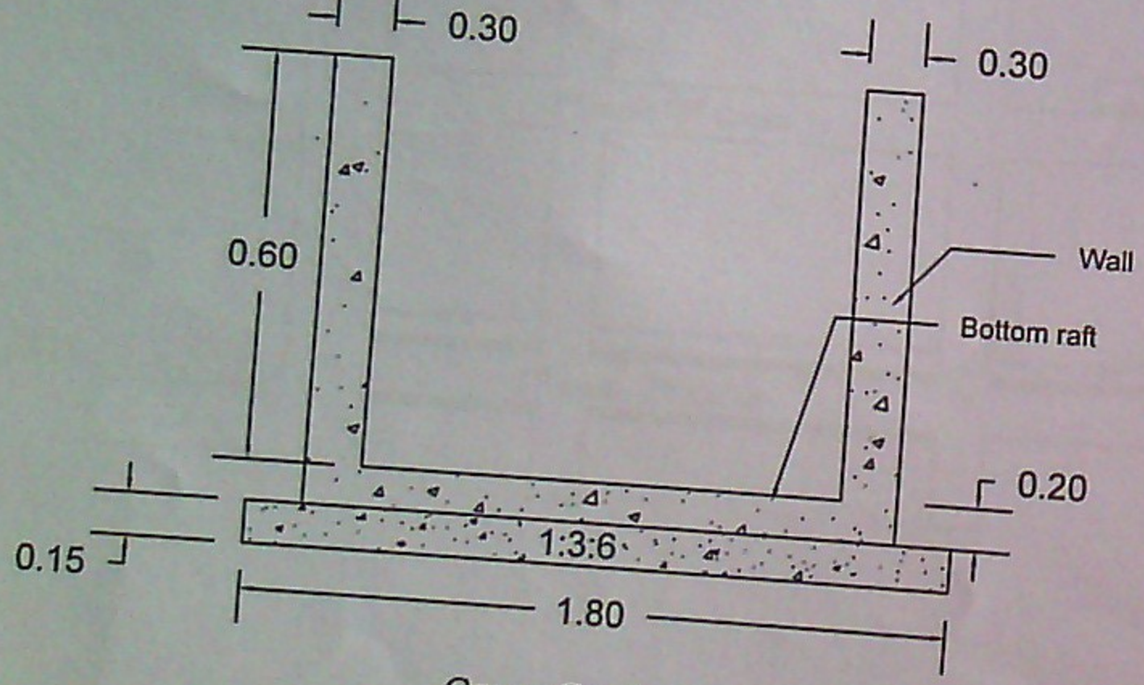


Cross Section

Asst. Executive Engineer
Yelahanka Sub Division

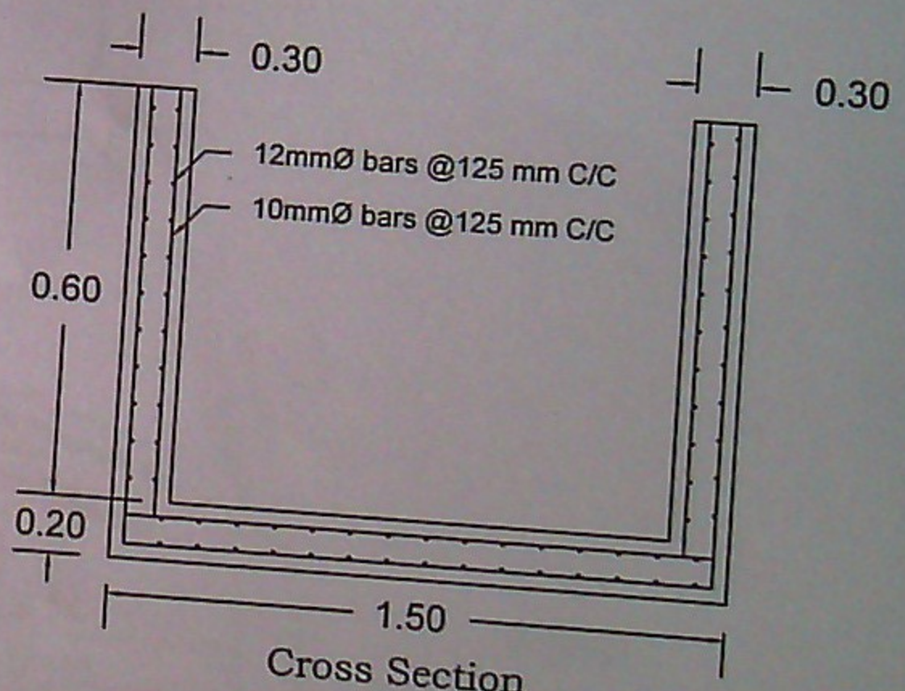
Name of Work:-Improvements To Drains At SFS 707 and Surrounding Area In Ward No.03

RCC CULVERT



Cross Section

RCC CULVERT



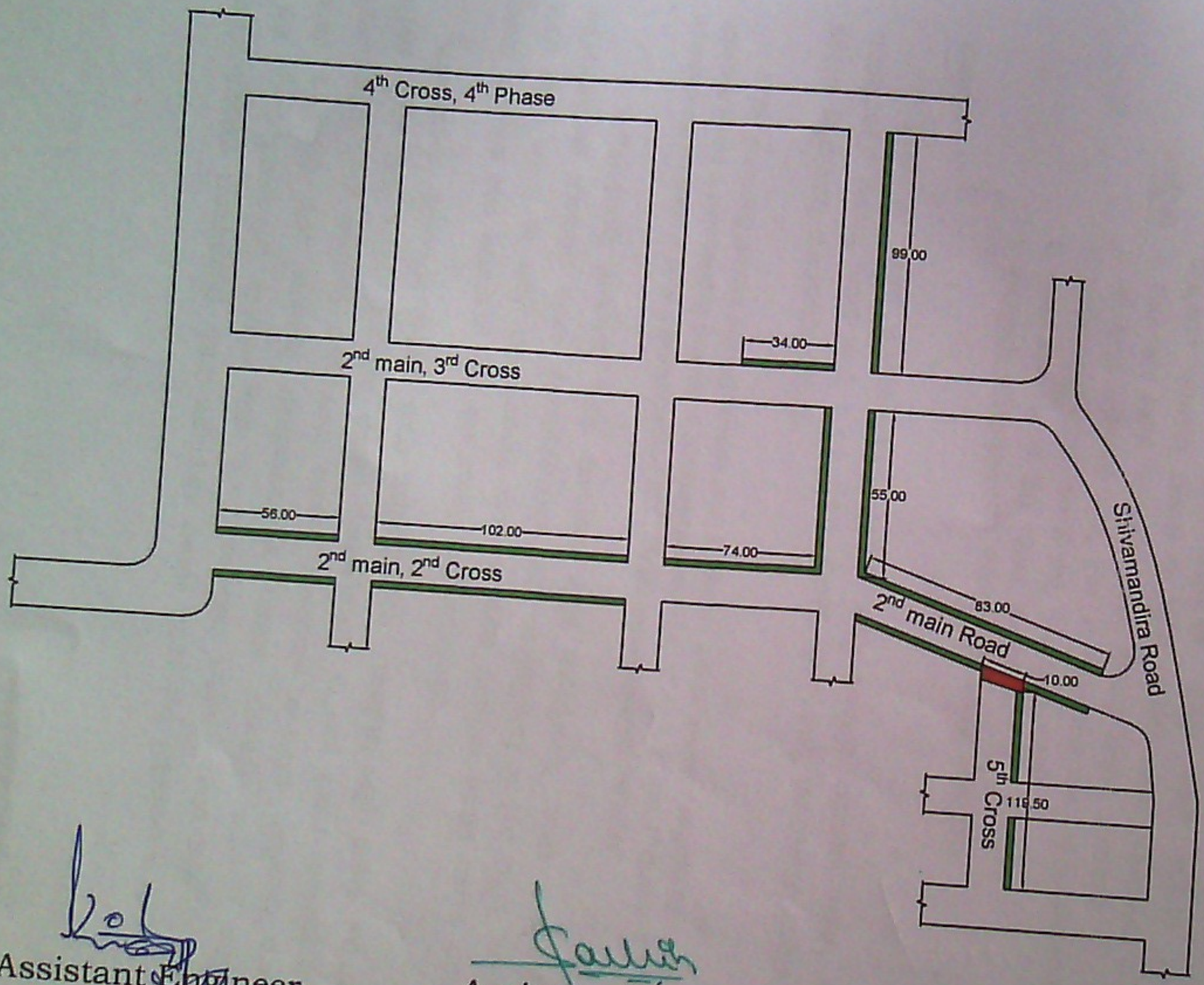
Cross Section

Asst. Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Sub Division

All Dimensions in Meters

Name of Work:- Improvements To Drains At SFS 707 and Surrounding Area In Ward No.03



Index:-

RCC Drain

Culvert

Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yalahanka satellite town Sub division

All Dimensions are in Meters